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cond.

by a high temperature, are located between the fan blades 6a and the exhaust port 33b of the bracket so as to be certainly cooled. The cooling air from the fan 6 reaches the end surface 27 of the stator iron core 21 to cool the coils, exposed at the coil ends 22a and 23b, and also cool the end surface 27 of the stator iron core 21. When the tissue paper 25 is used, heat conductivity is deteriorated because of a low coefficient of thermal conductivity of the tissue paper and an air intervening in a contact portion between the tissue paper 25 and the inner wall surface of the slot 24. However, because the insulative resin 100 has a coefficient of thermal conductivity higher than that of the tissue paper 25, and the insulative resin 100 is fixed to the inner wall surface of the slot 24 without interposing an air space, a heat from the coil is effectively transmitted to the stator iron core 21, and a heat can be dissipated from the end surface 27 of the stator iron core 21, receiving a cooling air.

IN THE CLAIMS:

Please enter the following amended claims:

- A2
1. (Amended) An a.c. generator for a vehicle comprising:
a rotator;
a stator iron core, arranged opposite to an outer periphery of the rotator and having a plurality of slots; and
a plurality of conductor segments accommodated in the slots to form a stator winding,
wherein the stator iron core is insulated from the conductor segments by coating at least end surfaces of the stator iron core and inner wall surfaces of the slots with an insulative resin,
and